

ENVIRONMENTAL NOTIFICATION FORM  
ENVIRONMENTAL ASSESSMENT

# Park Street Station

## Vertical Transportation Improvements



Submitted by  
Massachusetts Bay  
Transportation Authority  
Ten Park Plaza  
Boston, MA 02116  
August 2009



**Park Street Station Vertical Transportation Improvements  
Boston, Massachusetts**

**Environmental Notification Form  
Environmental Assessment**

**Submitted by:  
Massachusetts Bay Transportation Authority  
Ten Park Plaza  
Boston, MA 02116-3974**

**August 2009**

**Environmental  
Notification Form**

EOEA No.: \_\_\_\_\_  
MEPA Analyst: \_\_\_\_\_  
Phone: 617-626-\_\_\_\_\_

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

<b>Project Name: Park Street Station Vertical Transportation Improvements</b>		
<b>Street: Boston Common, near intersection of Park Street and Tremont</b>		
Municipality: Boston	Watershed: Fort Point Channel to Boston Harbor	
Universal Tranverse Mercator Coordinates: Northing: 4700407.0 Easting: 669342.8	Latitude: 42 26' 15" Longitude: 71 03' 42"	
Estimated commencement date: March 2010	Estimated completion date: March 2012	
Approximate cost: \$9,800,000.00	Status of project design: 90 %complete	
<b>Proponent: Massachusetts Bay Transportation Authority</b>		
<b>Street: 10 Park Street, Room 6720</b>		
Municipality: Boston	State: MA	Zip Code: 02116
Name of Contact Person From Whom Copies of this ENF May Be Obtained: <b>Lois Baxter</b>		
Firm/Agency: MBTA	Street: 10 Park Plaza, Room 6720	
Municipality: Boston	State: MA	Zip Code: 02116
Phone: 617-222-3124	Fax: 617-222-1557	E-mail: Ibaxter@mbta.com

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?

Yes X No

Has this project been filed with MEPA before?

Yes (EOEA No. \_\_\_\_\_) X No

Has any project on this site been filed with MEPA before?

Yes (EOEA No. \_\_\_\_\_) X No

Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:

a Single EIR? (see 301 CMR 11.06(8))  Yes X No

a Special Review Procedure? (see 301CMR 11.09)  Yes X No

a Waiver of mandatory EIR? (see 301 CMR 11.11)  Yes X No

a Phase I Waiver? (see 301 CMR 11.11)  Yes X No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): The project will be funded through the use of FTA funds as well as MBTA Revenue Bonds.

Are you requesting coordinated review with any other federal, state, regional, or local agency?

X Yes (Specify – Federal Transit Administration (FTA) NEPA Approval)  No

List Local or Federal Permits and Approvals: National Environmental Policy Act Approval, Section 106 Approval, Section 4f Approval, Article 97 Land Disposition Approval

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

<input checked="" type="checkbox"/> Land	<input type="checkbox"/> Rare Species	<input type="checkbox"/> Wetlands, Waterways, & Tidelands
<input type="checkbox"/> Water	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Transportation
<input type="checkbox"/> Energy	<input type="checkbox"/> Air	<input type="checkbox"/> Solid & Hazardous Waste
<input type="checkbox"/> ACEC	<input type="checkbox"/> Regulations	<input checked="" type="checkbox"/> Historical & Archaeological Resources

Summary of Project Size & Environmental Impacts		Existing	Change	Total	State Permits & Approvals
<b>LAND</b>					
Total site acreage (Boston Common)	~ 50				<input type="checkbox"/> Order of Conditions
New acres of land altered		0.0024			<input type="checkbox"/> Superseding Order of Conditions
Acres of impervious area	14.94	0.0012	14.94		<input type="checkbox"/> Chapter 91 License
Square feet of new bordering vegetated wetlands alteration		0			<input type="checkbox"/> 401 Water Quality Certification
Square feet of new other wetland alteration		0			<input type="checkbox"/> MHD or MDC Access Permit
Acres of new non-water dependent use of tidelands or waterways		0			<input type="checkbox"/> Water Management Act Permit
<b>STRUCTURES</b>					
Gross square footage	0	106	106		<input type="checkbox"/> New Source Approval
Number of housing units	0	0	0		<input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit
Maximum height (in feet)	0	18.5	18.5		<input type="checkbox"/> Other Permits (including Legislative Approvals) – Specify: _____
<b>TRANSPORTATION</b>					
Vehicle trips per day	0	0	0		_____
Parking spaces	0	0	0		_____
<b>WASTEWATER</b>					
Gallons/day (GPD) of water use	0	0	0		_____
GPD water withdrawal	0	0	0		_____
GPD wastewater generation/ treatment	0	0	0		_____
Length of water/sewer mains (in miles)	0	0	0		_____

**CONSERVATION LAND:** Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

Yes (Specify **Boston Common**)  No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify \_\_\_\_\_)  No

**RARE SPECIES:** Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify \_\_\_\_\_)  No

**HISTORICAL /ARCHAEOLOGICAL RESOURCES:** Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify Boston Common National Historic District, Tremont Street Subway and Park Street Station \_\_\_\_\_)  No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify Selected and limited demolition in Park Street Station will occur, including removal of an approximately 12.5 by 12.5 foot square section of both the roof and floor to install two elevators, and relocation of a stair connecting the Green Line Westbound Platform with the Red Line Center Platform below. \_\_\_\_\_)  No

**AREAS OF CRITICAL ENVIRONMENTAL CONCERN:** Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify \_\_\_\_\_)  No

**PROJECT DESCRIPTION:** The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (You may attach one additional page, if necessary.)

Park Street Station is one of the most important access nodes in the subway system, providing access to two highly utilized subway lines: the Green Line with multiple branches that serve areas west and northwest of downtown Boston and the Red Line which serves Cambridge and neighborhoods of Boston and communities south. The station presents complex structural issues in part because the Red Line is constructed below the Green Line. Park Street Station currently has one elevator connecting the street-level surface to the "non-paid" Westbound Green Line lobby and one elevator connecting the Westbound Green Line to the Red Line Center Platform. Currently, a passenger destined for the Westbound tracks on the Green Line who wishes to use the accessible entrance to the station must enter the station via the elevator on Tremont Street, across the street from the Boston Common. Upon exiting the elevator the passenger must pass through newly installed automatic fare collection gates at which he/she will be on the eastbound platform area. The passenger must then make his/her way approximately 325 feet down the platform to an existing elevator which will bring him/her to a level below the Green Line so as to cross underneath the tracks, and then enter yet a third elevator to come up to the Green Line Westbound platform. This trip is excessively long and can pose a significant challenge for a person with limited mobility and/or physical stamina. This circuitous path of travel is far less superior than a direct path from the surface to the unpaid area of the Green Line, which is the intent of this project. The Park Street Station Vertical Transportation Improvements will provide a second elevator leading from the surface to the Green Line Westbound Platform. This elevator will be located on the Boston Common in the vicinity of the existing West Head House. An additional elevator will connect the Green Line Westbound Platform to the Red Line Center Platform. The elevator between the Red and the Green lines will have no surface level element.

A further description of the project as well as its Purpose and Need and Alternatives Analysis can be found in the attached document.

**LAND SECTION – all proponents must fill out this section****I. Thresholds / Permits**

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1))  
 Yes  No; if yes, specify each threshold:

**II. Impacts and Permits**

A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings			
Roadways, parking, and other paved areas			
Other altered areas (describe)			
Undeveloped areas			

B. Has any part of the project site been in active agricultural use in the last three years?  
 Yes  No; if yes, how many acres of land in agricultural use (with agricultural soils) will be converted to nonagricultural use?

C. Is any part of the project site currently or proposed to be in active forestry use?  
 Yes  No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a DEM-approved forest management plan:

D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97?  Yes  No; if yes, describe:  
 Conversion of approximately 106 s.f. of open space (Boston Common) to elevator head house. See attached document.

E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction?  Yes  No; if yes, does the project involve the release or modification of such restriction?  Yes  No; if yes, describe:

F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A?  Yes  No; if yes, describe:

G. Does the project require approval of a new urban renewal plan or a major modification of an existing urban renewal plan under M.G.L.c.121B? Yes  No  ; if yes, describe:

H. Describe the project's stormwater impacts and, if applicable, measures that the project will take to comply with the standards found in DEP's Stormwater Management Policy:  
 This project does not fall within the jurisdiction of the Boston Conservation Commission, nor technically under the Stormwater Management Policy. Nonetheless, the project will have negligible stormwater impacts. Approximately 50 s.f. of new impervious cover will be created through this project (only half of the structure will impact existing pervious surface) and adjacent existing storm drainage systems will accommodate the incremental increase in flow. All construction will take place in accordance with NPDES General Construction permit requirements.

I. Is the project site currently being regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? Yes  No  ; if yes, what is the Release Tracking Number (RTN)?

J. If the project site is within the Chicopee or Nashua watershed, is it within the Quabbin, Ware, or Wachusett subwatershed?  Yes  No; if yes, is the project site subject to regulation under the Watershed Protection Act?  Yes  No

## K. Describe the project's other impacts on land:

There are no other land impacts as defined within MEPA land impact thresholds. Mitigation strategies for reduction of impacts to land and historical resources has been a significant design objective beyond meeting the project's primary purpose and need.

**III. Consistency**

## A. Identify the current municipal comprehensive land use plan and the open space plan and describe the consistency of the project and its impacts with that plan(s):

The project will result in the improvement of a facility that is vital to the provision of public transportation services, most notably for individuals with disabilities. By utilizing and improving an existing facility, this project is consistent with local land use patterns as set by the Boston Redevelopment Authority.

## B. Identify the current Regional Policy Plan of the applicable Regional Planning Agency and describe the consistency of the project and its impacts with that plan:

The Boston Metropolitan Planning Organization's (MPO) transportation plan, ("Journey to 2030") identifies the following issues as key to the area's future development: system preservation, modernization, and efficiency; mobility; environment; safety and security; regional equity; (also called environmental justice); and land use and economic development. Updating the Park Street Station to improve access for people of all abilities serves to modernize the station, as well as increase efficiency, mobility, safety and equity for all riders.

C. Will the project require any approvals under the local zoning by-law or ordinance (i.e. text or map amendment, special permit, or variance)? Yes  No ; if yes, describe:D. Will the project require local site plan or project impact review?  
Yes  No; if yes, describe:**RARE SPECIES SECTION****I. Thresholds / Permits**A. Will the project meet or exceed any review thresholds related to **rare species or habitat** (see 301 CMR 11.03(2))? Yes  No; if yes, specify, in quantitative terms:B. Does the project require any state permits related to **rare species or habitat**? Yes  NoC. If you answered "No" to both questions A and B, proceed to the **Wetlands, Waterways, and Tidelands Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Rare Species section below.**II. Impacts and Permits**A. Does the project site fall within Priority or Estimated Habitat in the current Massachusetts Natural Heritage Atlas (attach relevant page)? Yes  No. If yes,

1. Which rare species are known to occur within the Priority or Estimated Habitat (contact: Environmental Review, Natural Heritage and Endangered Species Program, Route 135, Westborough, MA 01581, allowing 30 days for receipt of information):

2. Have you surveyed the site for rare species? Yes  No; if yes, please include the results of your survey.

3. If your project is within Estimated Habitat, have you filed a Notice of Intent or received an Order of Conditions for this project? Yes  No; if yes, did you send a copy of the Notice of Intent to the Natural Heritage and Endangered Species Program, in accordance with the Wetlands Protection Act regulations? Yes  No

## B. Will the project "take" an endangered, threatened, and/or species of special concern in

accordance with M.G.L. c.131A (see also 321 CMR 10.04)?  Yes  No; if yes, describe:  
 C. Will the project alter "significant habitat" as designated by the Massachusetts Division of Fisheries and Wildlife in accordance with M.G.L. c.131A (see also 321 CMR 10.30)?  Yes  No; if yes, describe:

D. Describe the project's other impacts on rare species including indirect impacts (for example, stormwater runoff into a wetland known to contain rare species or lighting impacts on rare moth habitat):

## **WETLANDS, WATERWAYS, AND TIDELANDS SECTION**

### **I. Thresholds / Permits**

A. Will the project meet or exceed any review thresholds related to **wetlands, waterways, and tidelands** (see 301 CMR 11.03(3))?  Yes  X  No; if yes, specify, in quantitative terms:

B. Does the project require any state permits (or a local Order of Conditions) related to **wetlands, waterways, or tidelands**?  Yes  X  No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Water Supply Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wetlands, Waterways, and Tidelands Section below.

### **II. Wetlands Impacts and Permits**

A. Describe any wetland resource areas currently existing on the project site and indicate them on the site plan:

B. Estimate the extent and type of impact that the project will have on wetland resources, and indicate whether the impacts are temporary or permanent:

<u>Coastal Wetlands</u>	<u>Area (in square feet) or Length (in linear feet)</u>
Land Under the Ocean	_____
Designated Port Areas	_____
Coastal Beaches	_____
Coastal Dunes	_____
Barrier Beaches	_____
Coastal Banks	_____
Rocky Intertidal Shores	_____
Salt Marshes	_____
Land Under Salt Ponds	_____
Land Containing Shellfish	_____
Fish Runs	_____
Land Subject to Coastal Storm Flowage	_____

<u>Inland Wetlands</u>	
Bank	_____
Bordering Vegetated Wetlands	_____
Land under Water	_____
Isolated Land Subject to Flooding	_____
Bordering Land Subject to Flooding	_____
Riverfront Area	_____

C. Is any part of the project

1. a limited project?  Yes  No
2. the construction or alteration of a dam?  Yes  No; if yes, describe:
3. fill or structure in a velocity zone or regulatory floodway?  Yes  No
4. dredging or disposal of dredged material?  Yes  No; if yes, describe the volume

of dredged material and the proposed disposal site:

5. a discharge to Outstanding Resource Waters?  Yes  No  
 6. subject to a wetlands restriction order?  Yes  No; if yes, identify the area (in square feet): \_\_\_\_\_

D. Does the project require a new or amended Order of Conditions under the Wetlands Protection Act (M.G.L. c.131A)?  Yes  No; if yes, has a Notice of Intent been filed or a local Order of Conditions issued?  Yes  No; if yes, list the date and DEP file number: \_\_\_\_\_.  
 Was the Order of Conditions appealed?  Yes  No. Will the project require a variance from the Wetlands regulations?  Yes  No.

E. Will the project:

1. be subject to a local wetlands ordinance or bylaw?  Yes  No  
 2. alter any federally-protected wetlands not regulated under state or local law?  
 Yes  No; if yes, what is the area (in s.f.)? \_\_\_\_\_

F. Describe the project's other impacts on wetlands (including new shading of wetland areas or removal of tree canopy from forested wetlands):

### **III. Waterways and Tidelands Impacts and Permits**

A. Is any part of the project site waterways or tidelands (including filled former tidelands) that are subject to the Waterways Act, M.G.L.c.91?  Yes  No; if yes, is there a current Chapter 91 license or permit affecting the project site?  Yes  No; if yes, list the date and number:

B. Does the project require a new or modified license under M.G.L.c.91?  Yes  No; if yes, how many acres of the project site subject to M.G.L.c.91 will be for non-water dependent use?

Current  Change  Total

C. Is any part of the project

1. a roadway, bridge, or utility line to or on a barrier beach?  Yes  No; if yes, describe:  
 2. dredging or disposal of dredged material?  Yes  No; if yes, volume of dredged material \_\_\_\_\_  
 3. a solid fill, pile-supported, or bottom-anchored structure in flowed tidelands or other waterways?  Yes  No; if yes, what is the base area? \_\_\_\_\_  
 4. within a Designated Port Area?  Yes  No

D. Describe the project's other impacts on waterways and tidelands:

### **IV. Consistency:**

A. Is the project located within the Coastal Zone?  Yes  No; if yes, describe the project's consistency with policies of the Office of Coastal Zone Management:

B. Is the project located within an area subject to a Municipal Harbor Plan?  Yes  No; if yes, identify the Municipal Harbor Plan and describe the project's consistency with that plan:

## **WATER SUPPLY SECTION**

### **I. Thresholds / Permits**

A. Will the project meet or exceed any review thresholds related to **water supply** (see 301 CMR 11.03(4))?  Yes  No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **water supply**?  Yes  No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Wastewater Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Water Supply Section below.

## II. Impacts and Permits

A. Describe, in gallons/day, the volume and source of water use for existing and proposed activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Withdrawal from groundwater	_____	_____	_____
Withdrawal from surface water	_____	_____	_____
Interbasin transfer	_____	_____	_____
Municipal or regional water supply	_____	_____	_____

B. If the source is a municipal or regional supply, has the municipality or region indicated that there is adequate capacity in the system to accommodate the project? Yes No

C. If the project involves a new or expanded withdrawal from a groundwater or surface water source,

1. have you submitted a permit application? Yes No; if yes, attach the application
2. have you conducted a pump test? Yes No; if yes, attach the pump test report

D. What is the currently permitted withdrawal at the proposed water supply source (in gallons/day)?  
       Will the project require an increase in that withdrawal? Yes No

E. Does the project site currently contain a water supply well, a drinking water treatment facility, water main, or other water supply facility, or will the project involve construction of a new facility? Yes No. If yes, describe existing and proposed water supply facilities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Water supply well(s) (capacity, in gpd)	_____	_____	_____
Drinking water treatment plant (capacity, in gpd)	_____	_____	_____
Water mains (length, in miles)	_____	_____	_____

F. If the project involves any interbasin transfer of water, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or proposed?

G. Does the project involve

1. new water service by a state agency to a municipality or water district? Yes No
2. a Watershed Protection Act variance? Yes No; if yes, how many acres of alteration?
3. a non-bridged stream crossing 1,000 or less feet upstream of a public surface drinking water supply for purpose of forest harvesting activities? Yes No

H. Describe the project's other impacts (including indirect impacts) on water resources, quality, facilities and services:

## III. Consistency -- Describe the project's consistency with water conservation plans or other plans to enhance water resources, quality, facilities and services:

## WASTEWATER SECTION

### I. Thresholds / Permits

- A. Will the project meet or exceed any review thresholds related to **wastewater** (see 301 CMR 11.03(5))? Yes X No; if yes, specify, in quantitative terms:
- B. Does the project require any state permits related to **wastewater**? Yes X No; if yes,

specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Transportation – Traffic Generation Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wastewater Section below.

## II. Impacts and Permits

A. Describe, in gallons/day, the volume and disposal of wastewater generation for existing and proposed activities at the project site (calculate according to 310 CMR 15.00):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Discharge to groundwater (Title 5)	_____	_____	_____
Discharge to groundwater (non-Title 5)	_____	_____	_____
Discharge to outstanding resource water	_____	_____	_____
Discharge to surface water	_____	_____	_____
Municipal or regional wastewater facility	_____	_____	_____
<b>TOTAL</b>	_____	_____	_____

B. Is there sufficient capacity in the existing collection system to accommodate the project?

\_\_\_\_ Yes \_\_\_\_ No; if no, describe where capacity will be found:

C. Is there sufficient existing capacity at the proposed wastewater disposal facility? \_\_\_\_ Yes \_\_\_\_ No; if no, describe how capacity will be increased:

D. Does the project site currently contain a wastewater treatment facility, sewer main, or other wastewater disposal facility, or will the project involve construction of a new facility? \_\_\_\_ Yes \_\_\_\_ No. If yes, describe as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Wastewater treatment plant (capacity, in gpd)	_____	_____	_____
Sewer mains (length, in miles)	_____	_____	_____
Title 5 systems (capacity, in gpd)	_____	_____	_____

E. If the project involves any interbasin transfer of wastewater, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or proposed?

F. Does the project involve new sewer service by an Agency of the Commonwealth to a municipality or sewer district? \_\_\_\_ Yes \_\_\_\_ No

G. Is there any current or proposed facility at the project site for the storage, treatment, processing, combustion or disposal of sewage sludge, sludge ash, grit, screenings, or other sewage residual materials? \_\_\_\_ Yes \_\_\_\_ No; if yes, what is the capacity (in tons per day):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment, processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

H. Describe the project's other impacts (including indirect impacts) on wastewater generation and treatment facilities:

## III. Consistency

-- Describe measures that the proponent will take to comply with federal, state, regional, and local plans and policies related to wastewater management:

A. If the project requires a sewer extension permit, is that extension included in a comprehensive wastewater management plan? \_\_\_\_ Yes \_\_\_\_ No; if yes, indicate the EOEA number for the plan and describe the relationship of the project to the plan

## **TRANSPORTATION -- TRAFFIC GENERATION SECTION**

### **I. Thresholds / Permits**

A. Will the project meet or exceed any review thresholds related to **traffic generation** (see 301 CMR 11.03(6))?  Yes  No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **state-controlled roadways**?  Yes  No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Roadways and Other Transportation Facilities Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Traffic Generation Section below.

### **II. Traffic Impacts and Permits**

A. Describe existing and proposed vehicular traffic generated by activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Number of parking spaces	_____	_____	_____
Number of vehicle trips per day	_____	_____	_____

ITE Land Use Code(s):

B. What is the estimated average daily traffic on roadways serving the site?

<u>Roadway</u>	<u>Existing</u>	<u>Change</u>	<u>Total</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

C. Describe how the project will affect transit, pedestrian and bicycle transportation facilities and services:

**III. Consistency** -- Describe measures that the proponent will take to comply with municipal, regional, state, and federal plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services:

## **ROADWAYS AND OTHER TRANSPORTATION FACILITIES SECTION**

### **I. Thresholds**

A. Will the project meet or exceed any review thresholds related to **roadways or other transportation facilities** (see 301 CMR 11.03(6))?  Yes  No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **roadways or other transportation facilities**?  Yes  No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Energy Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Roadways Section below.

### **II. Transportation Facility Impacts**

A. Describe existing and proposed transportation facilities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Length (in linear feet) of new or widened roadway	_____	_____	_____
Width (in feet) of new or widened roadway	_____	_____	_____

Other transportation facilities:

B. Will the project involve any

1. Alteration of bank or terrain (in linear feet)? \_\_\_\_\_
2. Cutting of living public shade trees (number)? \_\_\_\_\_
3. Elimination of stone wall (in linear feet)? \_\_\_\_\_

**III. Consistency** -- Describe the project's consistency with other federal, state, regional, and local plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services, including consistency with the applicable regional transportation plan and the Transportation Improvements Plan (TIP), the State Bicycle Plan, and the State Pedestrian Plan:

## **ENERGY SECTION**

### **I. Thresholds / Permits**

A. Will the project meet or exceed any review thresholds related to **energy** (see 301 CMR 11.03(7))?  
 Yes  No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **energy**?  Yes  No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Air Quality Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Energy Section below.

### **II. Impacts and Permits**

A. Describe existing and proposed energy generation and transmission facilities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Capacity of electric generating facility (megawatts)	_____	_____	_____
Length of fuel line (in miles)	_____	_____	_____
Length of transmission lines (in miles)	_____	_____	_____
Capacity of transmission lines (in kilovolts)	_____	_____	_____

B. If the project involves construction or expansion of an electric generating facility, what are

1. the facility's current and proposed fuel source(s)?
2. the facility's current and proposed cooling source(s)?

C. If the project involves construction of an electrical transmission line, will it be located on a new, unused, or abandoned right of way?  Yes  No; if yes, please describe:

D. Describe the project's other impacts on energy facilities and services:

**III. Consistency** -- Describe the project's consistency with state, municipal, regional, and federal plans and policies for enhancing energy facilities and services:

## **AIR QUALITY SECTION**

### **I. Thresholds**

A. Will the project meet or exceed any review thresholds related to **air quality** (see 301 CMR 11.03(8))?  Yes  No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **air quality**?  Yes  No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Solid and Hazardous Waste Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Air

Quality Section below.

## II. Impacts and Permits

A. Does the project involve construction or modification of a major stationary source (see 310 CMR 7.00, Appendix A)?  Yes  No; if yes, describe existing and proposed emissions (in tons per day) of:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Particulate matter	_____	_____	_____
Carbon monoxide	_____	_____	_____
Sulfur dioxide	_____	_____	_____
Volatile organic compounds	_____	_____	_____
Oxides of nitrogen	_____	_____	_____
Lead	_____	_____	_____
Any hazardous air pollutant	_____	_____	_____
Carbon dioxide	_____	_____	_____

B. Describe the project's other impacts on air resources and air quality, including noise impacts:

## III. Consistency

A. Describe the project's consistency with the State Implementation Plan:

B. Describe measures that the proponent will take to comply with other federal, state, regional, and local plans and policies related to air resources and air quality:

## SOLID AND HAZARDOUS WASTE SECTION

### I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **solid or hazardous waste** (see 301 CMR 11.03(9))?  Yes  No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **solid and hazardous waste**?  Yes  No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Historical and Archaeological Resources Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Solid and Hazardous Waste Section below.

### II. Impacts and Permits

A. Is there any current or proposed facility at the project site for the storage, treatment, processing, combustion or disposal of solid waste?  Yes  No; if yes, what is the volume (in tons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment, processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

B. Is there any current or proposed facility at the project site for the storage, recycling, treatment or disposal of hazardous waste?  Yes  No; if yes, what is the volume (in tons or gallons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Recycling	_____	_____	_____
Treatment	_____	_____	_____

## Disposal \_\_\_\_\_

C. If the project will generate solid waste (for example, during demolition or construction), describe alternatives considered for re-use, recycling, and disposal:

D. If the project involves demolition, do any buildings to be demolished contain asbestos?

Yes  No

E. Describe the project's other solid and hazardous waste impacts (including indirect impacts):

**III. Consistency**--Describe measures that the proponent will take to comply with the State Solid Waste Master Plan:

## **HISTORICAL AND ARCHAEOLOGICAL RESOURCES SECTION**

**I. Thresholds / Impacts**

A. Is any part of the project site a historic structure, or a structure within a historic district, in either case listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth?  Yes  No; if yes, does the project involve the demolition of all or any exterior part of such historic structure?  Yes  No; if yes, please describe:

**Selected and limited demolition in Park Street Station will occur, including removal of an approximately 12'-6" by 12'-6" foot section of both the roof and floor to install two elevators, and relocation of a stair connecting the Green Line Westbound Platform with the Red Line Center Platform below. No exterior elements of Park Street Station will be altered.**

B. Is any part of the project site an archaeological site listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth?  Yes  No; if yes, does the project involve the destruction of all or any part of such archaeological site?  Yes  No; if yes, please describe:

C. If you answered "No" to all parts of both questions A and B, proceed to the **Attachments and Certifications** Sections. If you answered "Yes" to any part of either question A or question B, fill out the remainder of the Historical and Archaeological Resources Section below.

D. Have you consulted with the Massachusetts Historical Commission?  Yes  No; if yes, attach correspondence

E. Describe and assess the project's other impacts, direct and indirect, on listed or inventoried historical and archaeological resources:

The construction of a Green Line elevator at Park Street Station requires work adjacent to the Park Street Station, which is a contributing element in the Tremont Street Subway, and Boston Common through the visual and physical introduction of new elevator structures. The location of the elevators was determined following studies that concluded that the proposed configuration is the only siting that achieves the project objectives with minimal impacts to station operations and the historic properties. On the interior of Park Street Station two glass-enclosed elevators will be constructed, a stair will be reoriented between the Green Line Westbound and Red Line Center Platforms and the fare collection area will be slightly reconfigured. The elevators will be positioned and designed between columns and away from original stairs to have minimal impact on the fabric of the station. The stair that will be reconfigured and the fare collection area have previously been altered. The head house for the elevator between the Green Line Westbound platform and the surface will rise within Boston Common. The head house

will emerge southwest of the existing West Head House at the walkway edge of a grassed area. The structure footprint will be as small as possible, approximately 10 feet by 10.5 feet square and will be the same height as the West Head House. The design of the new head house will use granite, steel, and glass materials and a standing seam, metal hip roof. The architectural design and building fabric will complement the existing structures on the Common, but will be as transparent as possible in order to minimize the visual presence of the head house in the historic landscape and for the safety of users.

As a result of the siting work and sensitive design of the elevator, the Massachusetts Historical Commission has determined that the project will have No Adverse Effect on any historic or archeological resource.

**II. Consistency** -- Describe measures that the proponent will take to comply with federal, state, regional, and local plans and policies related to preserving historical and archaeological resources:

The FTA has determined that the proposed construction of a Green Line elevator at Park Street will result in No Adverse Effect under Section 106 of the National Historic Preservation Act of 1966, as amended (36 CFR 800). In addition, the MHC has concurred with this determination.

The FTA and MBTA anticipate ongoing review and consultation with the MHC and Boston Landmarks Commission (BLC) as well as Boston Parks and Recreation Commission (BPRC) to finalize a plan to mitigate the impacts associated with the demolition of the station and the construction of the elevator.

**ATTACHMENTS:**

1. Plan, at an appropriate scale, of existing conditions of the project site and its immediate context, showing all known structures, roadways and parking lots, rail rights-of-way, wetlands and water bodies, wooded areas, farmland, steep slopes, public open spaces, and major utilities.
2. Plan of proposed conditions upon completion of project (if construction of the project is proposed to be phased, there should be a site plan showing conditions upon the completion of each phase).
3. Original U.S.G.S. map or good quality color copy (8-½ x 11 inches or larger) indicating the project location and boundaries
4. List of all agencies and persons to whom the proponent circulated the ENF, in accordance with 301 CMR 11.16(2).

**CERTIFICATIONS:**

1. The Public Notice of Environmental Review has been/will be published in the following newspapers in accordance with 301 CMR 11.15(1):  
(Name) (Date)

*Beacon Hill Times*

On or before September 8, 2009

2. This form has been circulated to Agencies and Persons in accordance with 301 CMR 11.16(2).

Date      Signature of Responsible Officer  
or Proponent

8/26/09 Andrew D. Brennan

Signature of person preparing  
ENF (if different from above)

Karen E. Arpino

Name (print or type)      **Andrew D. Brennan**  
**Director of Environmental Affairs**

Firm/Agency

**MBTA**

**Karen E. Arpino**  
**Director of Transportation**

Street

**10 Park Plaza**  
**Room 6720**

**215 First Street**

Municipality/State/Zip

**Boston, MA 02116**

**Cambridge, MA 02142**

Phone

**617-222-3126**

**617-497-7800**



## Attachment 1: Project Site Plan





MBTA Park Street Station ENF



05/12/07

ATTACHMENT 1  
Project Site Plan

Legend

Land Use

- Recursion
- Commercial
- Urban Open, Public
- Urban Open, Cemeteries

Source: MassGIS

NOTE:  
There are no other significant,  
protected or regulated natural  
resources within the project area.

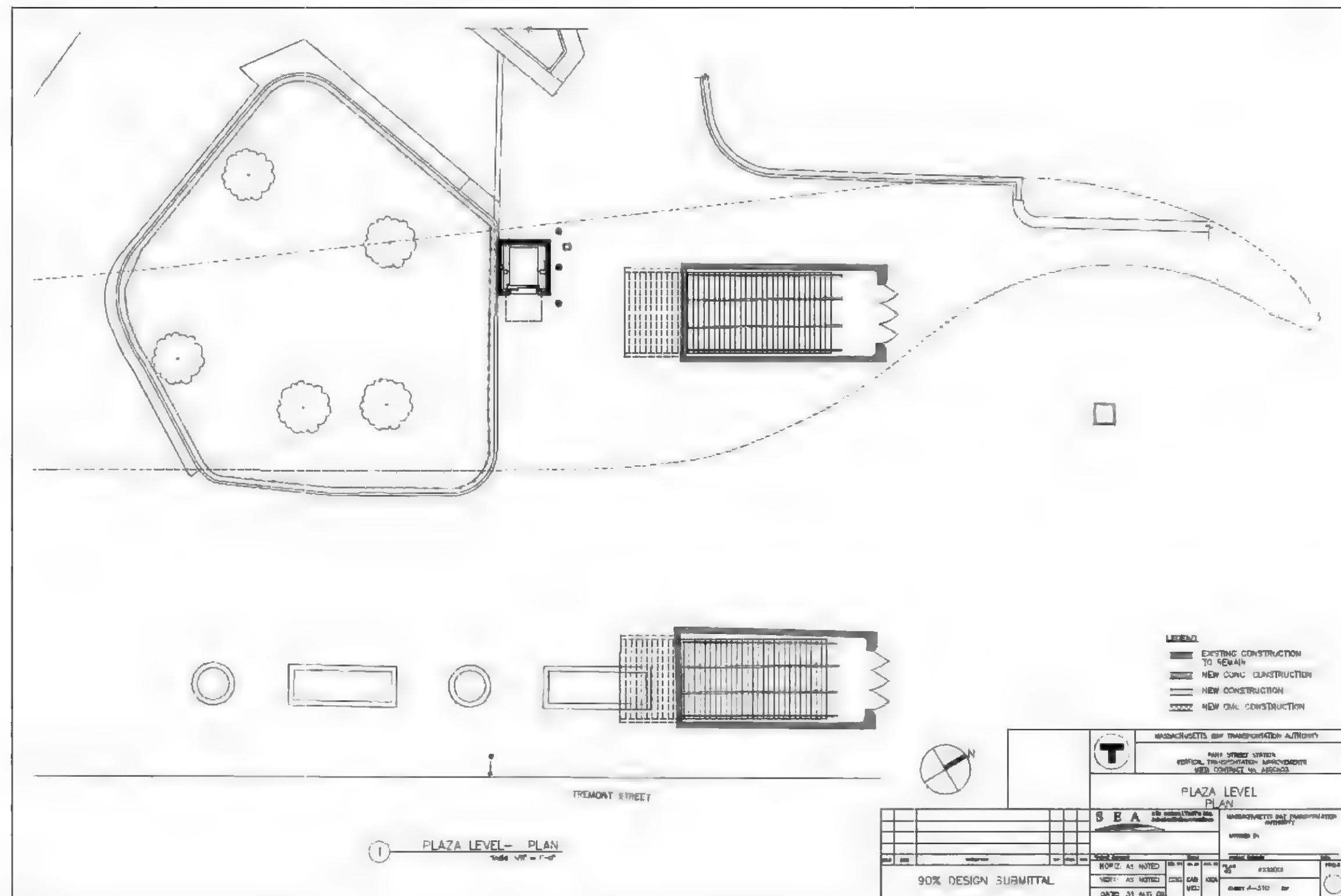
1 inch equals 50 feet

0 12.5 25 50 75 100 Feet

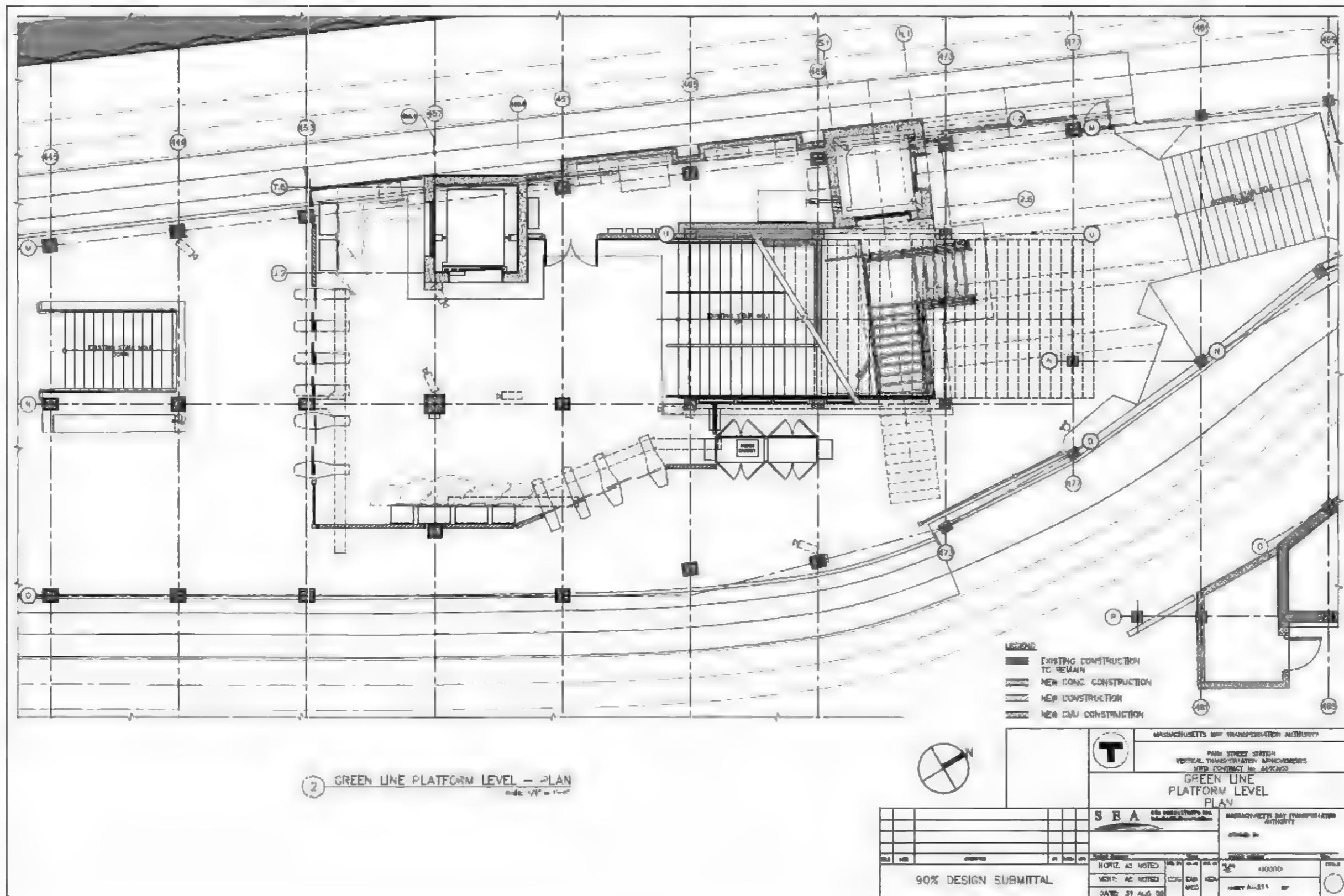


## Attachment 2: Plans of Proposed Conditions

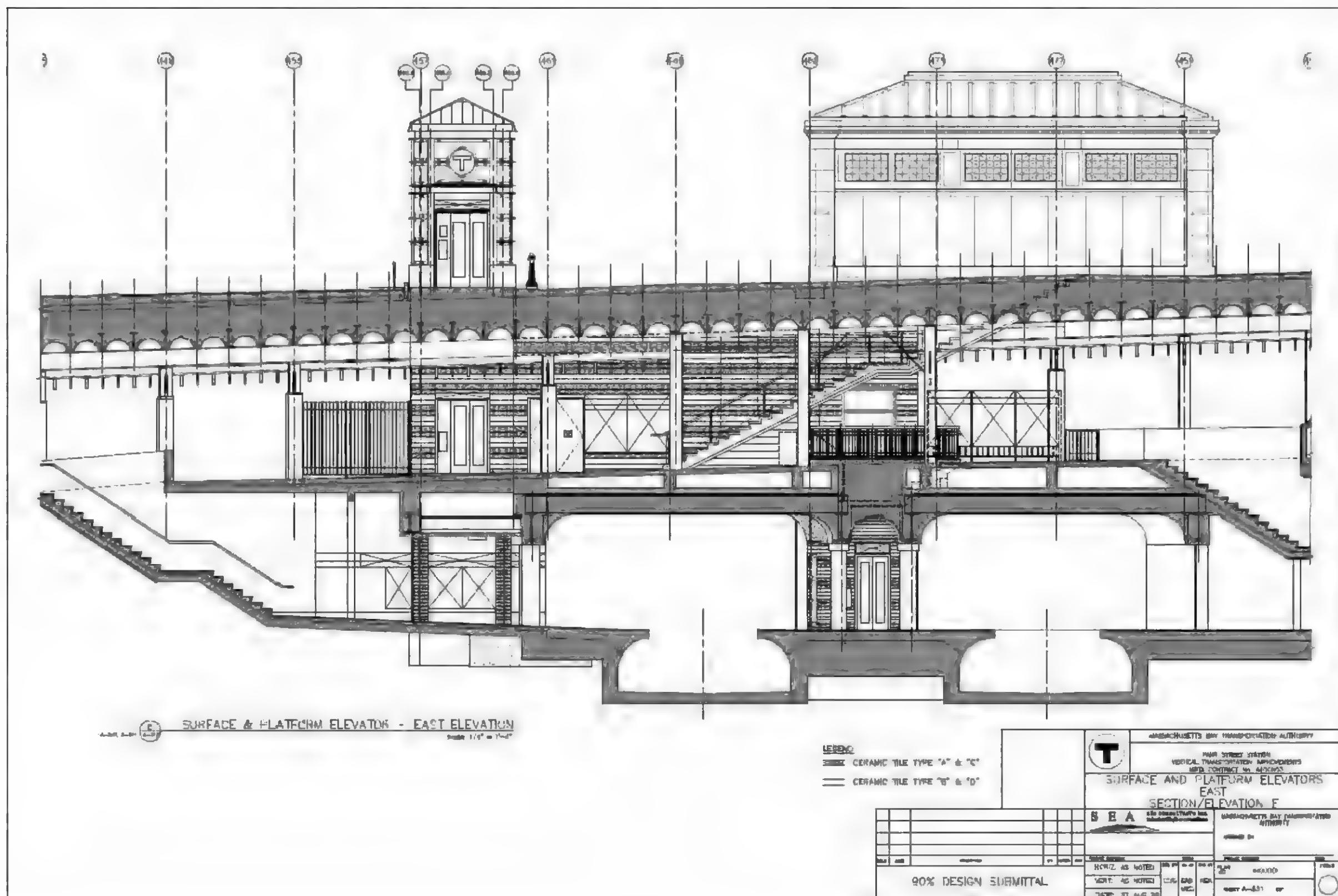




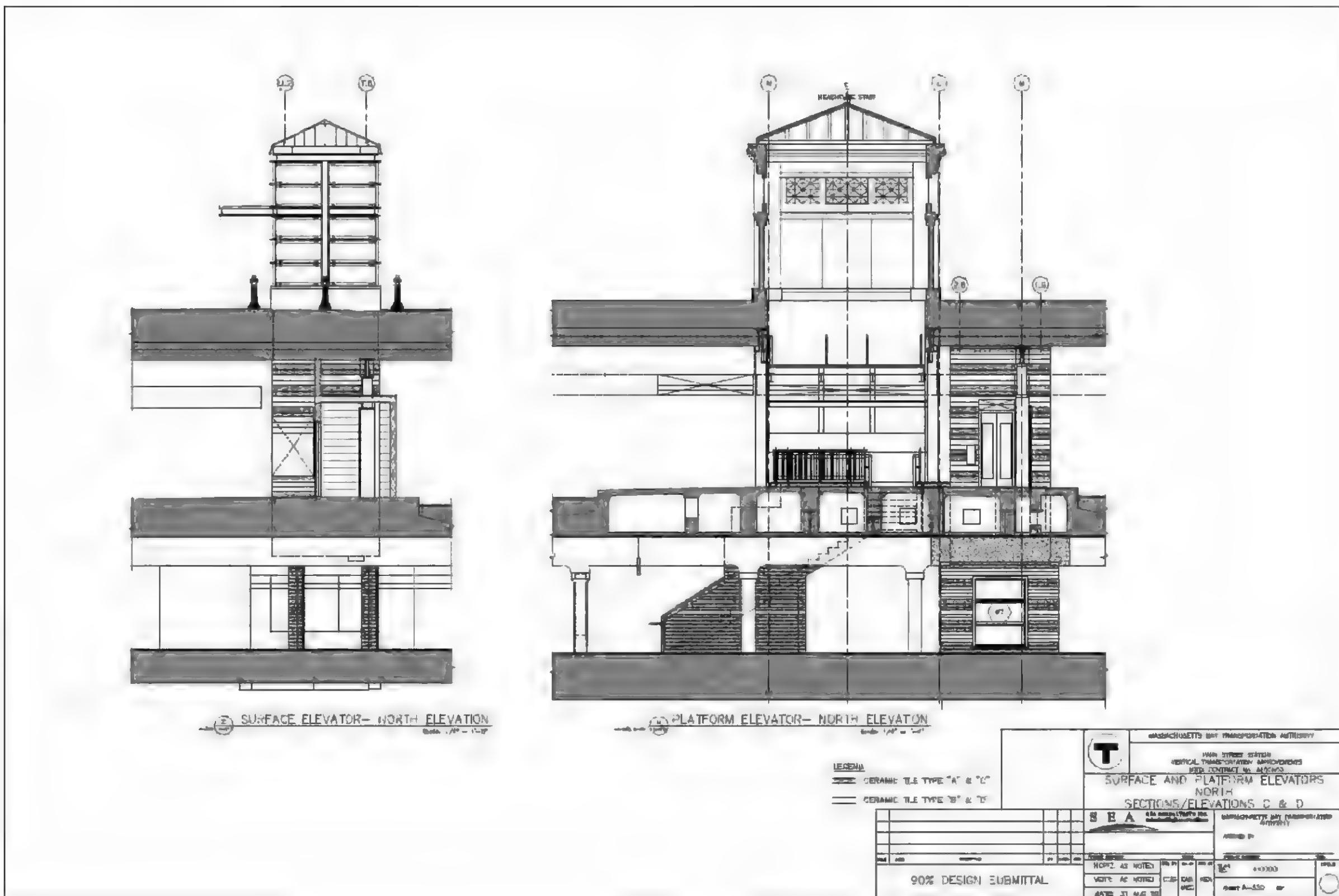




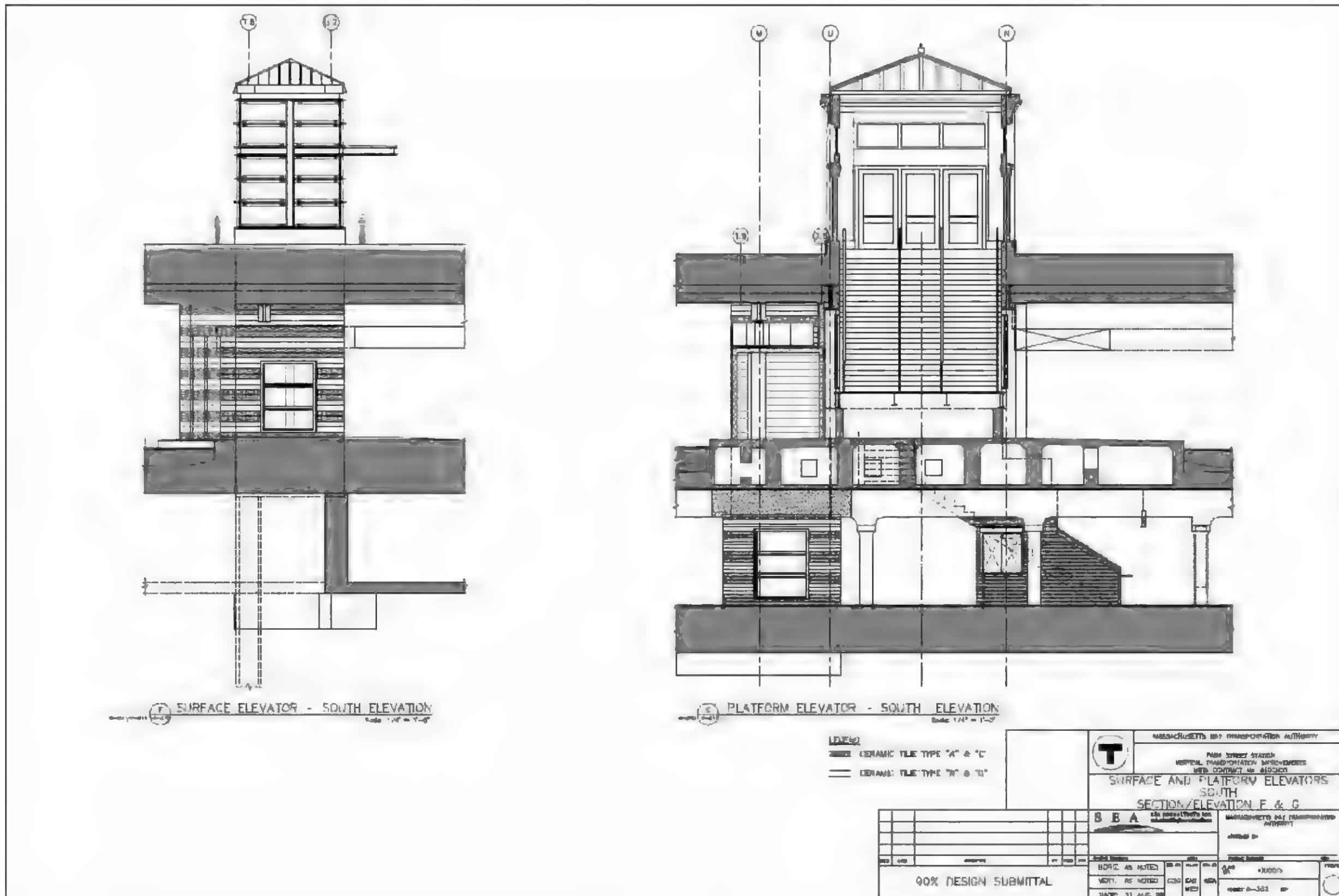




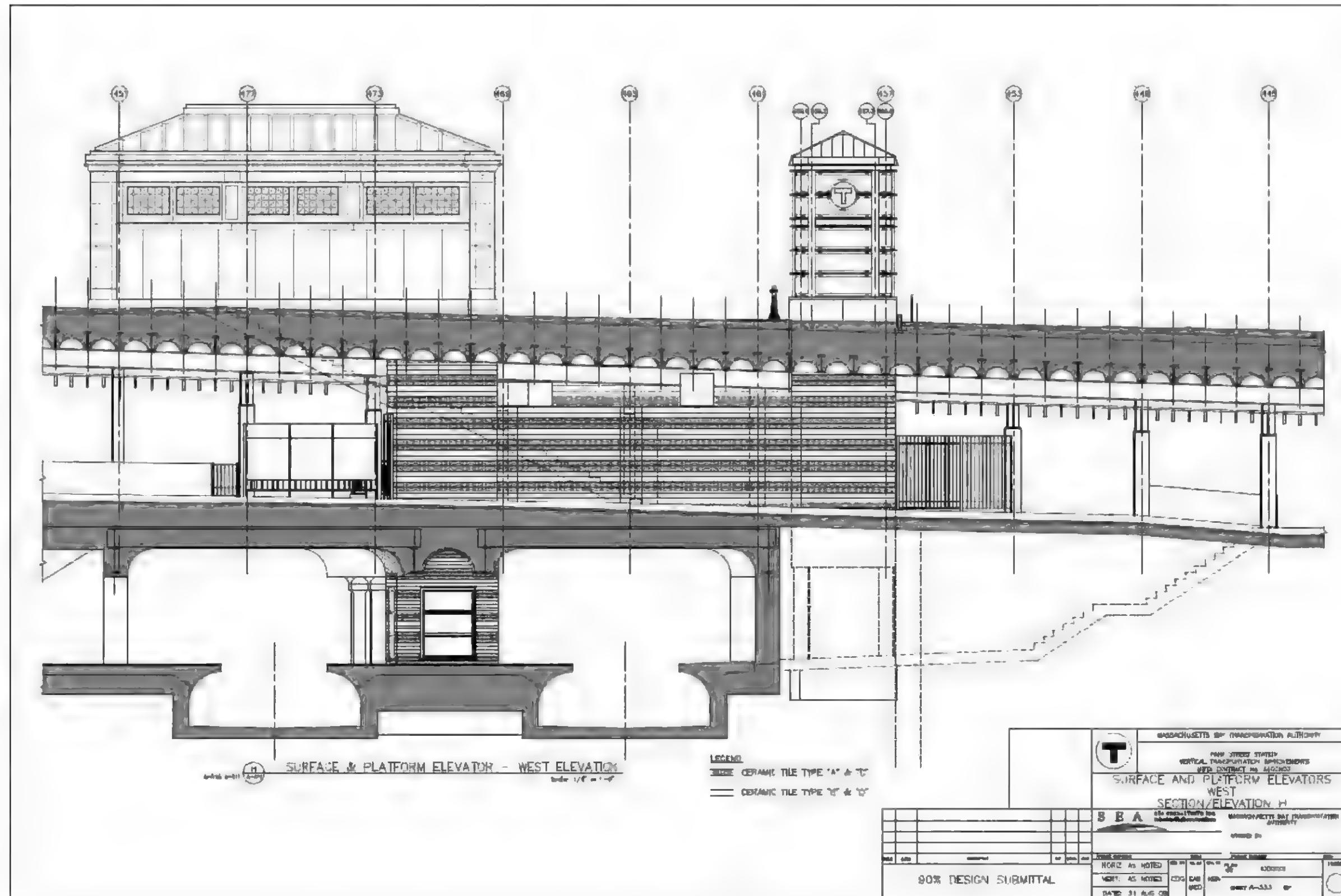














### Attachment 3: U.S. Geological Survey Locus Map





### ATTACHMENT 3: USGS Locus Map

MBTA - PARK STREET STATION

**SEA Consultants Inc.**  
Scientists/Engineers/Architects  
CAMBRIDGE, MASSACHUSETTS CONCORD, NEW HAMPSHIRE  
ROCKY HILL, CONNECTICUT AUGUSTA, MAINE  
STONEHAM, MASSACHUSETTS





**Attachment 4: List of all agencies and persons to whom the  
proponent circulated the ENF,  
in accordance with 301 CMR 11.16(2)**



## **Distribution List**

Secretary Ian A. Bowles  
Executive Office of Environmental Affairs  
Attn: MEPA Office  
100 Cambridge Street, Suite 900  
Boston, MA 02114

Elizabeth Higgins  
Director of the Office of Environmental Review  
U.S. Environmental Protection - Region 1  
One Congress Street  
Boston, MA 02114

Senator Edward M. Kennedy  
2400 JFK Building  
Boston, MA 02203

Senator John F. Kerry  
One Bowdoin Square  
Tenth Floor  
Boston, MA 02114

Representative Michael E. Capuano  
110 First Street  
Cambridge, MA 02141

Senator Anthony W. Petrucci  
Massachusetts State House, Room 413-B  
Boston, MA 02133

Representative Marty Walz  
Massachusetts State House, Room 443  
Boston, MA 02133

City of Boston  
Mayor's Office  
Boston City Hall  
One City Hall Plaza, 5<sup>th</sup> Floor  
Boston, MA 02201

Councilor Michael Ross Boston City Council  
Boston City Hall  
One City Hall Plaza, 5<sup>th</sup> Floor Boston, MA 02201

Department of Environmental Protection - Boston Office  
Commissioner's Office  
One Winter Street  
Boston, MA 02108

DEP/Northeast Regional Office  
Attn: MEPA Coordinator  
205B Lowell Street  
Wilmington, MA 01887

Boston Conservation Commission Environment Department  
Boston City Hall  
Room 805  
Boston, MA 02201

U.S. Department of the Interior  
Director, Office of Environmental Policy and Compliance  
Main Interior Building (MS 2462)  
1849 C Street, NW  
Washington, DC 20240

Massachusetts Historical Commission  
The MA Archives Building  
220 Morrissey Boulevard  
Boston, MA 02125

Boston Landmarks Commission Boston City Hall  
Room 805  
Boston, MA 02201

Metropolitan Area Planning Council  
60 Temple Place  
6th floor  
Boston, MA 02111

Boston Redevelopment Authority  
Boston City Hall  
One City Hall Plaza, 9<sup>th</sup> Floor  
Boston, MA 02201

Massachusetts Bay Transportation Authority  
Attn: MEPA Coordinator  
10 Park Plaza, 6th Floor  
Boston, MA 02216

Massachusetts Highway Department  
Public/Private Development Unit  
10 Park Plaza  
Boston, MA 02116

MHD-District #4  
Attn: MEPA Coordinator  
519 Appleton Street  
Arlington, MA 02476

DCR Division of Urban Parks  
Attn: MEPA Coordinator  
251 Causeway Street  
Suite 600  
Boston MA 02114

Coastal Zone Management  
Attn: Project Review Coordinator  
251 Causeway Street, Suite 800  
Boston, MA 02114

Division of Marine Fisheries  
Division of Marine Fisheries (North Shore)  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930

Massachusetts Water Resource Authority  
Attn: MEPA Coordinator  
100 First Avenue  
Charlestown Navy Yard  
Boston, MA 02129

Boston Center for Independent Living, Inc.  
60 Temple Place, 5th Floor  
Boston, MA 02111

Boston Commission for Persons with Disabilities  
Boston City Hall  
One City Hall Plaza, Room 966  
Boston, MA 02201

Boston Public Health Commission  
1010 Massachusetts Ave, 2nd Floor  
Boston, MA 02118

Department of Public Health (DPH)  
Director of Environmental Health  
250 Washington Street  
Boston, MA 02115

Boston Public Library  
Main Branch  
700 Boylston Street  
Boston, MA 02117

Beacon Hill Civic Association  
74 Joy Street  
Boston, MA 02114

Boston Parks & Recreations Commission  
110 Mass Ave -3<sup>rd</sup> Floor  
Boston, MA 02118

Henry Lee, President  
Friends of the Boston Public Garden and Boston Common  
87 Mount Vernon Street  
Boston, MA 02108

Transportation Library  
10 Park Plaza  
Boston, MA 02118